

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	272	703/2.ccls. and @pd>="20081201"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/05/20 18:04
L2	25	flow adj induced adj crystal\$8	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/05/20 18:51


[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)





 Ad  
Sc  
Sc

**Scholar All articles - Recent articles** Results 1 - 10 of about 16,300 for **polymer flow induced crystallization**

### Crystallization processes in quiescent and moving polymer melts under heat transfer conditions

G Eder, H Janeschitz-Kriegl, S Liedauer - *Progress in Polymer Science*, 1990 - csa.com  
 ... exist only for a few polymers (eg PP). The pertinent difficulties should not be underestimated. Finally, with regard to **flow-induced crystallization**, only shear ...

Cited by 126 - Related articles - Web Search

### Structure development during shear flow-induced crystallization of i-PP: in-situ small-angle X-ray ... - ► ald-hk.com [PDF]

RH Soman, BS Hsiao, A Nogales, S Srinivas, AH ... - *Macromolecules*, 2000 - pubs.acs.org  
 ... and growth in orientation-induced crystallization of i-PP is proposed. During **flow**, orientation causes alignment of chain segments of **polymer** molecules and ...

Cited by 111 - Related articles - Web Search - BL Direct - All 9 versions

### A continuum model for flow-induced crystallization of polymer melts

AK Doufas, IS Dairanieh, AJ McHugh - *Journal of Rheology*, 1999 - link.aip.org  
 ... on the Hamiltonian/Poisson Bracket formalism, combined with the Avrami equation, is developed to simulate **flow-induced crystallization of polymer** melts in ...

Cited by 52 - Related articles - Web Search - Library Search - BL Direct - All 5 versions

### Development and validation of a recoverable strain-based model for flow-induced crystallization of ... - ► tue.nl [PDF]

H Zuidema, GWM Peters, HEH Meijer - *Macromolecular Theory and Simulations*, 2001 - interscience.wiley.com  
 ... final properties of semi-crystalline **polymer** products, such ... predict properties, a model for **flow-induced** nucleation and **crystallization** is required ...

Cited by 44 - Related articles - Web Search - BL Direct - All 3 versions

### Flow-induced crystallization of polyethylene melts

MR Mackley, FC Frank, A Keller - *Journal of Materials Science*, 1975 - Springer  
 ... The observation is consistent with the belief that **flow induced** fibrous **crystallization** occurs when **polymer** chains are aligned by the applied velocity gradient ...

Cited by 83 - Related articles - Web Search

### book Flow-induced crystallization in polymer systems

RL Miller - 1979 - books.google.com  
 ... **Flow-Induced Crystallization in Polymer Systems** Crystallization in polymeric systems under- going **flow** is of great importance to many commercial processes, eg ...  
 Cited by 26 - Related articles - Web Search - Library Search

### Structure development during shear flow induced crystallization of i-PP: in situ wide-angle X-ray ...

RH Soman, BS Hsiao, A Nogales, H Fruitwala, S ... - *Macromolecules*, 2001 - pubs.acs.org  
 ... Thorough knowledge of **flow-induced crystallization in polymer** melts is essential to control industrial processing methods such as extrusion, injection, and ...  
 Cited by 75 - Related articles - Web Search - BL Direct - All 7 versions

### [CITATION] Mechanisms of flow induced crystallization

AJ McHugh - **Polymer** Engineering and Science, 1982

Cited by 42 - Related articles - Web Search

**Flow induced polymer chain extension and its relation to fibrous crystallization**

MR Mackley, A Keller - Philosophical Transactions for the Royal Society of London. ..., 1975 - jstor.org

... The Royal Society 10.2307/74507 AR000357 00804614 AP000500 00A00010 Flow Induced

Polymer Chain Extension and Its Relation to Fibrous Crystallization MR Mackley ...

Cited by 52 - Related articles - Web Search - Library Search - All 6 versions

**Simulation of melt spinning including flow-induced crystallization Part I. Model development and ...**

AK Doufas, AJ McHugh, C Miller - Journal of Non-Newtonian Fluid Mechanics, 2000 - Elsevier

... Fiber spinning is an industrial **polymer** process of great commercial ... stresses that

result in the so-called **flow** (or stress) induced **crystallization** (FIC). ...

Cited by 75 - Related articles - Web Search - All 5 versions

Key authors: **R Somani - B Hsiao - A McHugh - S Srinivas - A Nogales**

Google ►

Result Page: 1 2 3 4 5 6 7 8 9 10 [Next](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2009 Google

[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

polymer flow induced crystallization properties

[1970]

- [2005]

Ad  
Sc  
Sc**Scholar All articles - Recent articles** Results 1 - 10 of about 16,200 for **polymer flow induced crystallization properties****[BOOK] Flow properties of polymer melts**

JA Brydson - 1970 - Published for the Plastics Institute [by] Iliffe  
Cited by 237 - Related articles - Web Search - Library Search

**A continuum model for flow-induced crystallization of polymer melts**

AK Doufas, IS Dairanieh, AJ McHugh - Journal of Rheology, 1999 - link.aip.org  
... and M. Kersting, "Rheological properties of a ... and DA Tree, "Extensional flow-induced crystallization of a ... new elongational rheometer for polymer melts and ...  
Cited by 52 - Related articles - Web Search - Library Search - BL Direct - All 5 versions

**[CITATION] Mechanisms of flow induced crystallization**

AJ McHugh - **Polymer** Engineering and Science, 1982  
Cited by 42 - Related articles - Web Search

**Structure development during shear flow-induced crystallization of i-PP: in-situ small-angle X-ray ... - ► ald-hk.com [PDF]**

RH Somani, BS Hsiao, A Nogales, S Srinivas, AH ... - Macromolecules, 2000 - pubs.acs.org  
... and the resulting morphologies; shear flow accelerates, in ... 25 A summary of shear-induced crystallization studies has ... 26. It is known that polymer melts, under ...  
Cited by 111 - Related articles - Web Search - BL Direct - All 9 versions

**Development and validation of a recoverable strain-based model for flow-induced crystallization of ... - ► tue.nl [PDF]**

H Zuidema, GWM Peters, HEH Meijer - Macromolecular Theory and Simulations, 2001 - interscience.wiley.com  
... final properties of semi-crystalline polymer products, such ... predict properties, a model for flow-induced nucleation and crystallization is required ...  
Cited by 44 - Related articles - Web Search - BL Direct - All 3 versions

**Flow-induced properties of nanotube-filled polymer materials- ► nist.gov [PDF]**

SB Kharchenko, JF Douglas, J Obrzut, EA Grulke, KB ... - Nature materials, 2004 - nature.com  
... LCP), where there is a competition between flow-induced orientation and ... Douglas, JF "Shift" in polymer blend phase-separation temperature in shear flow. ...  
Cited by 70 - Related articles - Web Search - All 10 versions

**Flow-induced crystallization of polyethylene melts**

MR Mackley, FC Frank, A Keller - Journal of Materials Science, 1975 - Springer  
... can have on the processing of polymer melts particularly ... cf jet blocking due to crystallization show that ... A flow-induced fibrous crystal which is stable at all ...  
Cited by 83 - Related articles - Web Search

**Structure development during shear flow induced crystallization of i-PP: in situ wide-angle X-ray ...**

RH Somani, BS Hsiao, A Nogales, H Fruitwala, S ... - Macromolecules, 2001 - pubs.acs.org  
... Thorough knowledge of flow-induced crystallization in polymer melts is ... such as extrusion, injection, and blow molding and resultant product properties. ...  
Cited by 75 - Related articles - Web Search - BL Direct - All 7 versions

**[book] Flow-induced crystallization in polymer systems**

RL Miller - 1979 - books.google.com

... Dr. Anagnostis E. Zachariades, **Polymer Science and ... and SK UPADHYAYULA Flow-Induced Crystallization from the ... the Physical and Mechanical Properties of Extruded ...**

Cited by 26 - Related articles - Web Search - Library Search

**Simulation of melt spinning including flow-induced crystallization Part I. Model development and ...**

AK Doufas, AJ McHugh, C Miller - Journal of Non-Newtonian Fluid Mechanics, 2000 - Elsevier

... Fiber spinning is an industrial **polymer** process of great commercial ... stresses that result in the so-called **flow** (or stress) **induced crystallization (FIC)** ...

Cited by 75 - Related articles - Web Search - All 5 versions

Key authors: **R Somani - J Brydson - B Hsiao - A McHugh - S Srinivas**

Google ►

Result Page: 1 2 3 4 5 6 7 8 9 10 [Next](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2009 Google